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Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/657,711
				Filing Date	09/09/2003
Date Submitted: March 4, 2004				First Named Inventor	Kiyohiko GONDO
				Group Art Unit	2878
(use as many sheets as necessary)				Examiner Name	Unknown
				Attorney Docket Number	044499-0175
Sheet	1	of	1		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear.	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A1	JP	2001-124594		OMRON KK	05-11-2001		A
	A2	JP	9-252242		KEYENCE CO. LTD.	09-22-1997		A
	A3	JP	5-206820		KEYENCE CO. LTD.	08-13-1993		A

NON PATENT LITERATURE DOCUMENTS					
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Examiner Signature	Le	Date Considered	7/05
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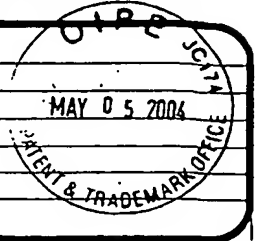
¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: May 5, 2004 (use as many sheets as necessary)		Application Number	10/657,711
		Filing Date	09/09/2003
		First Named Inventor	Kiyohiko GONDO
		Group Art Unit	2878
		Examiner Name	Unassigned <i>le</i>
Sheet 1 of 1	Attorney Docket Number	044499-0175	



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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	B1	JP	3255229	B2	OMRON CORP.	11-30-2001		Abs.
	B2	JP	11-225057	A	OMRON CORP.	08-17-1999		Abs.
	B3	JP	8-340242	A	OMRON CORP.	12-24-1996		Abs.

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b	B4	KIYOSHI IMAI et al., "Development of E3X-DA-N Optical Fiber Photoelectric Sensor with Auto Power Control Function", Omron Technics, 2001, pages of Japanese language text 7-10, pages of English language 1-6, vol. 41-no. 1.		
t	B5	TAKASHI KAMI, "Integration of a microcomputer with minimized noise [4]", Electro Magnetic Compatibility (EMC), 1997, page of Japanese language text 45-50, pages of English language text 10-11, vol. 9-no. 10.		

Examiner Signature	<i>le</i>	Date Considered	7/05
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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: August 25, 2004

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Complete if Known

Application Number	10/657,711
Filing Date	09/09/2003
First Named Inventor	Kiyohiko GONDO
Group Art Unit	2878
Examiner Name	Que Tan Le
Attorney Docket Number	044499-0175

Sheet	1	of	1
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U.S. PATENT DOCUMENTS

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Signature**

Date
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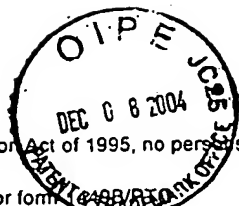
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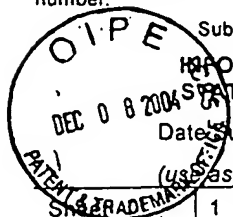
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Standard S1.16 if possible. Applicant is to place a check mark next to the kind of document by the appropriate symbols as indicated on the document under WIPO Standard S1.16 if possible. English language Translation is attached.

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Date Submitted: December 8, 2004

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1 of 1

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Application Number	10/657,711
Filing Date	09/09/2003
First Named Inventor	Kiyohiko GONDO
Group Art Unit	2878
Examiner Name	Unknown Le
Attorney Docket Number	044499-0175

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		Number	Kind Code ² (if known)				
1	D1	6,489,603	B1	GIOVANNARDI	12-03-2002		
1	D2	2002/0104956	A1	OKAMOTO	08-08-2002		
1	D3	6,228,775	B1	COBURN et al.	05-08-2001		
1	D4	6,211,754	B1	NISHIDA	04-03-2001		
1	D5	5,281,810	A	FOOKS et al.	01-25-1994		

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
1	D6	DE	696 23 830		HAMAMATSU PHOTONICS KK	10-31-2002		A
1	D7	WO	01/77708	A1	HONEYWELL INTERNATIONAL INC.	10-18-2001		
1	D8	EP	0 724 258	B1	HAMAMATSU PHOTONICS KK	07-31-1996		

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